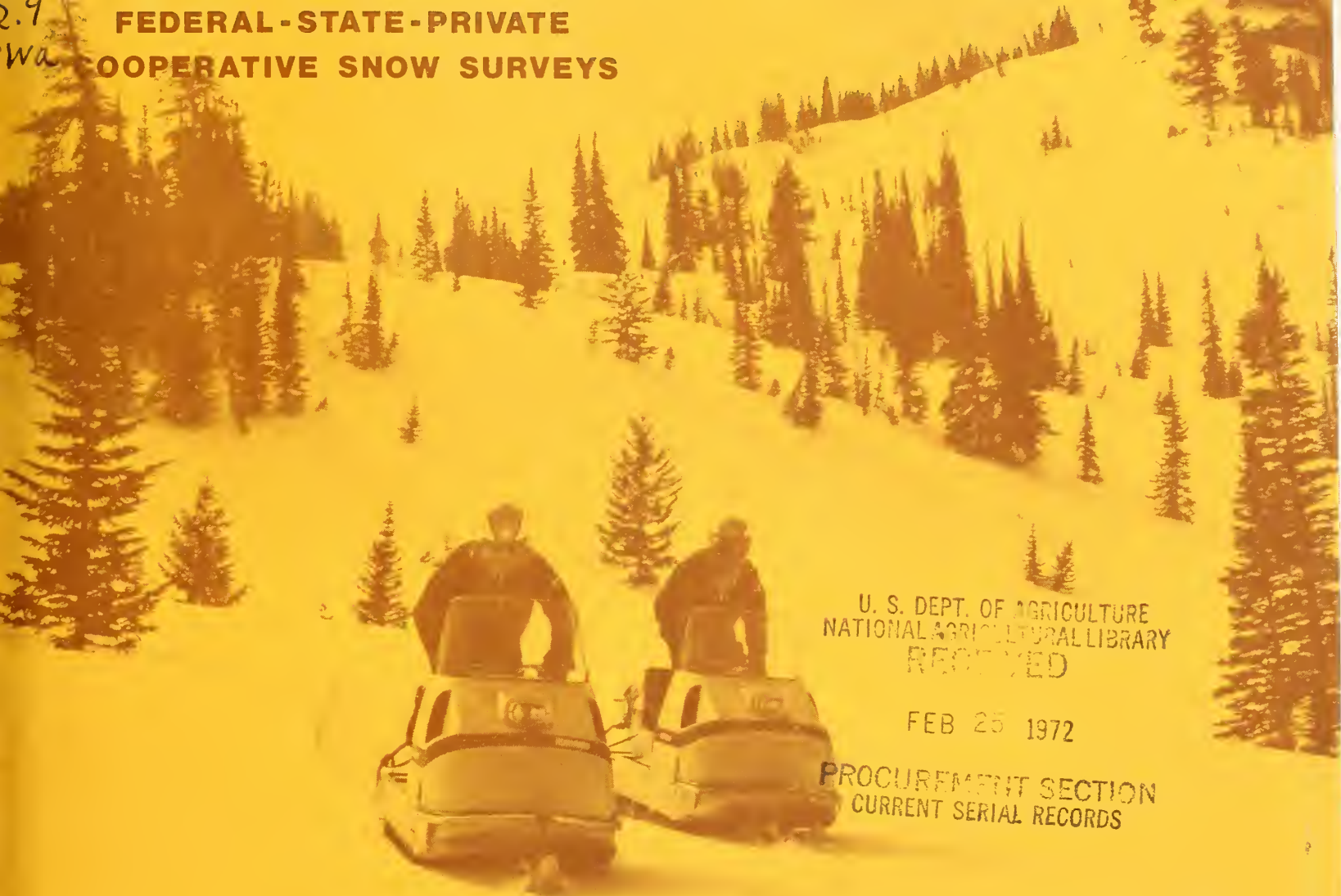


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FEDERAL-STATE-PRIVATE
COOPERATIVE SNOW SURVEYS



WATER SUPPLY OUTLOOK FOR UTAH

Prepared by

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES -- DIVISION OF WATER RIGHTS

In cooperation with U.S. Forest Service, Bureau of Reclamation, Utah Fish and Game Dept., Utah State University, U.S. National Park Service, U.S. Geological Survey, and other Federal, State, and private organizations.

AS OF
FEB. 1, 1972

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters of key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO NUMBER ORC 221-3

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR UTAH

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

KENNETH E. GRANT

ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

|||||

Released by

A. W. HAMELSTROM

STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

In Cooperation with

HUBERT C. LAMBERT

STATE ENGINEER
DIVISION OF WATER RIGHTS
UTAH STATE DEPT. OF NATURAL RESOURCES

|||||

Report prepared by

BOB L. WHALEY, Snow Survey Supervisor

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
FEDERAL BLDG., ROOM 4012
SALT LAKE CITY, UTAH 84111

PROSPECTIVE WATER SUPPLIES

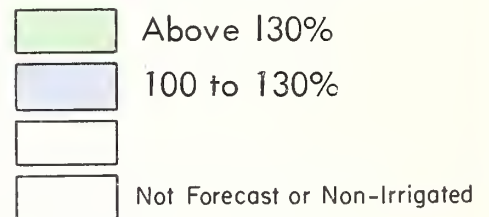
Based on Snow Surveys Made on
UTAH and BEAR RIVER WATERSHEDS

February 1, 1972

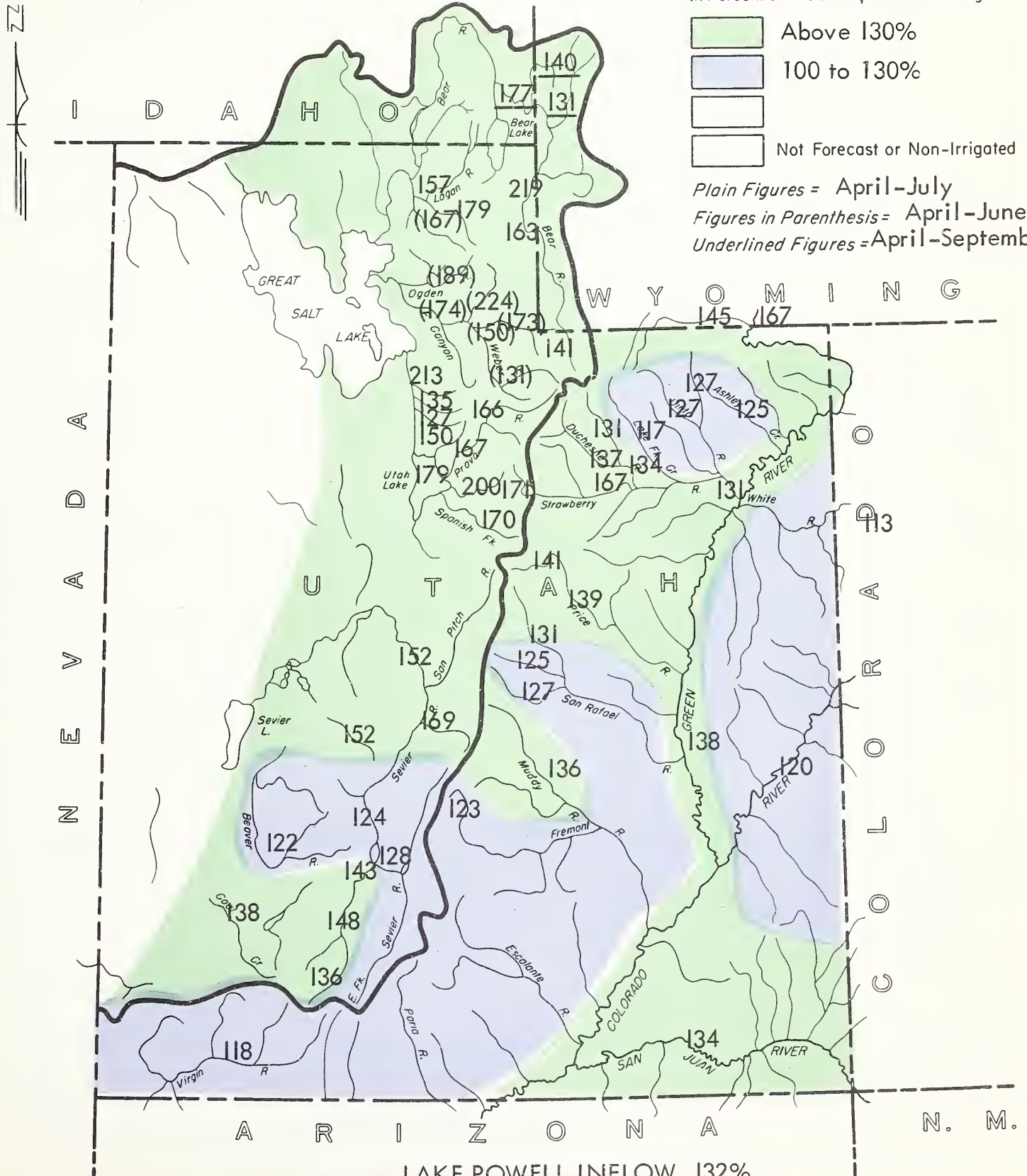
Approximate Date



FORECAST STREAM FLOW
in Percent of 1953-67, 15 Year Average



Plain Figures = April-July
Figures in Parenthesis = April-June
Underlined Figures = April-September



LAKE POWELL INFLOW 132%
NAVAJO RES. INFLOW 117%

WATER SUPPLY OUTLOOK

as of

FEBRUARY 1, 1972

* * * * *
* The 1972 Water Supply Outlook for Utah is "near average"*
* to "excellent". Snow Cover is generally above 140% of *
* the February 1 average. Reservoir storage is well above*
* average and streamflow forecasts range from average to *
* double average. *
* * * * *

Snow Cover ranges from 126% of the February average on Clear Creek in Southern Utah to 204% of average on Farmington Creek north of Salt Lake. Snow cover is heavy again this year on the Ogden River (180%), Little Bear and Blacksmith Fork (185%), the upper Bear River (169%), East Canyon Creek and the upper Weber River is 160 to 170% of the February 1 average.

Utah Lake drainages range from 138% on American Fork to 154% on the Provo. Uintah Basin snow cover ranges from 158% on the upper Duchesne to 198% of the February 1 average on the Uintah River.

The Price River is 157%, San Rafael 143% and the Fremont 155% of average. Snow cover on the Virgin River is 155% of the February 1 average, the upper Sevier above Hatch 151% and the East Fork of the Sevier has 173% of average.

January precipitation was heavy in the northern part of the State and caused above average increases to the snow pack. Precipitation dropped to zero catch at some valley locations in Southern Utah and most snow courses recorded well below average increases during the month.

Reservoir Storage on 14 of Utah's principal reservoirs, not including those of the Colorado Storage Project, was 149% of the February 1st average. The three main reservoirs on the Sevier River, Otter Creek, (Piute and Sevier Bridge) are 208% of average. Utah Lake is 0.82 feet below Compromise level. The Great Salt Lake was 2.10 feet higher than last year at this time and 7.00 feet above the alltime record low of October, 1963, as reported by the U. S. Geological Survey.

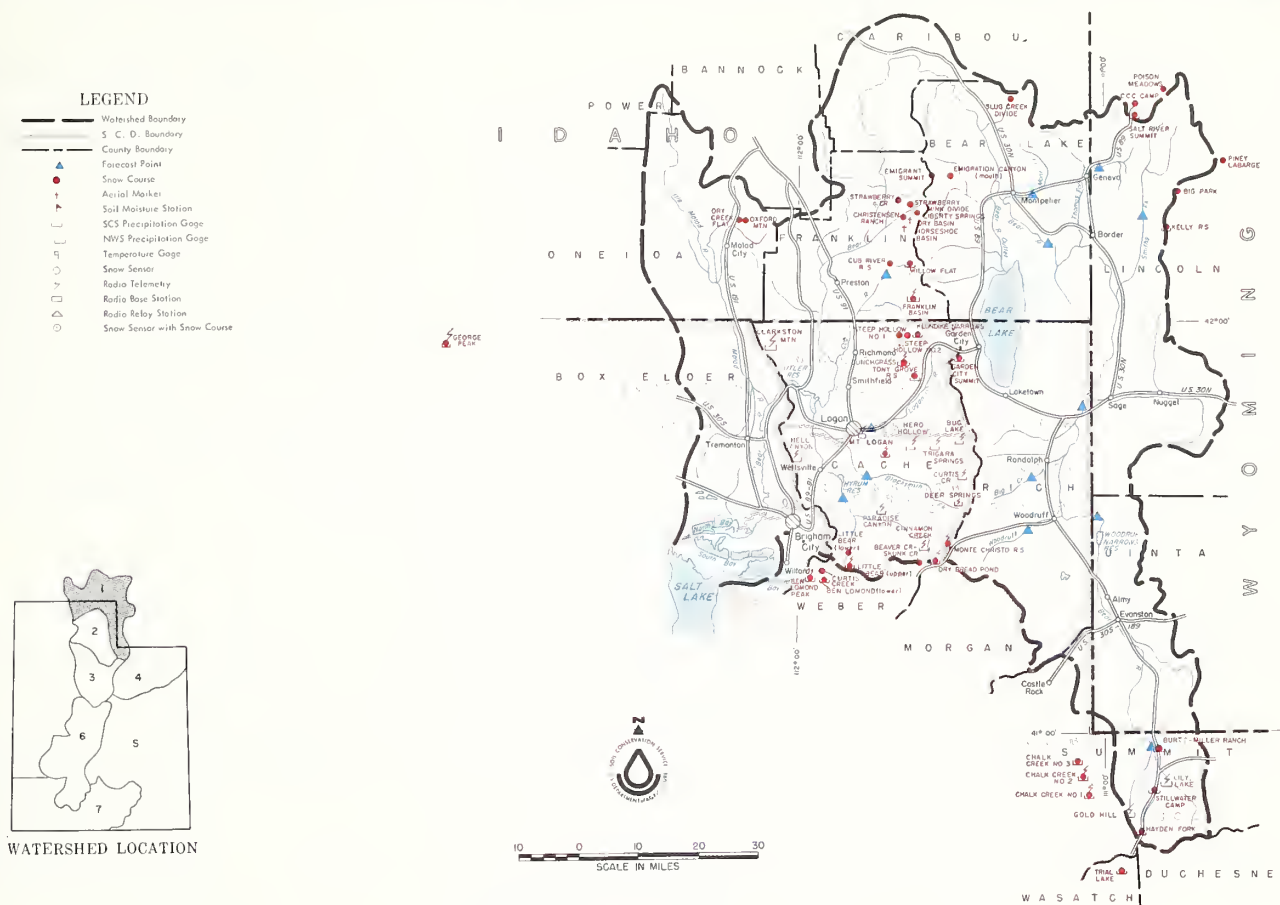
Streamflow Forecasts for the April through June or July period range from near average for some stations in Southern Utah to over twice average for Lost Creek, Big Creek and Chalk Creek in Northern Utah. Uintah Basin streams are expected to produce from 117% of average flow on Lake Fork Creek to 160% of the April-July average on the Strawberry at Duchesne. Sevier River forecasts range from 124% below Piute to 169% for Salina Creek. The Sevier at Hatch is expected to produce 161% of the April-July average.

The potential for high peak flows is present again this year especially in the northern part of the State on Bear River tributaries, Ogden River, and Weber River tributaries. Other streams are expected to have higher than average peak flows but should not cause problems unless extreme temperature and precipitation occur during the snow melt period.

WATER SUPPLY OUTLOOK

BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



The 1972 Water Supply Outlook for Bear River Basin is excellent again this year.

Snow Cover in Bear River basin varies from 159% of the February 1 average on the Logan river to 185% on the Blacksmith Fork - Little Bear Rivers. The upper Bear south of Evanston has 169% of average snow cover and the Smiths Fork 163%.

Reservoir Storage in Bear Lake is 129% of average (1,105,000 a.f.) and a little more than last year on February 1. Woodruff Narrows is still full at 26,500 acre feet. Hyrum has 10,700 acre feet and Porcupine was estimated to hold 3,300 acre feet as of February 1.

Streamflow Forecasts range from 219% (160,000 a.f.) of the April-July average for the Bear at Randolph to 131% of average (142,000 a.f.) for Smiths Fork (April-Sept). The Bear at Utah-Wyoming Line forecast is 149,000 a.f. (141%) April-July and the Bear at Harer is expected to produce 400,000 acre feet (177%) April-September. Big Creek forecast is 208% of average (10,000 a.f.) and Woodruff Creek 185% (25,000 a.f.). The Logan River forecast is 157% (155,000 a.f.), Blacksmith Fork 179% (75,000 a.f.) and Little Bear 167% (70,000 a.f.) April-June. Streams in this area are expected to have above average peak flows again this year.

FEBRUARY 1, 1972

STREAMFLOW FORECASTS

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>BEAR RIVER SYSTEM</u>					
Bear at Harer, Idaho (1)	400	177	Apr-Sept		226
Bear nr Randloph	160	219	Apr-July		73
Bear nr Ut-Wyo. State Line	149	141	Apr-July	138	106
Bear nr Woodruff	170	163	Apr-July		104
Big Crk nr Randolph, Utah	10.0	208	Apr-July		4.8
Blacksmith Fork nr Hyrum	75	179	Apr-July	99	42
Little Bear nr Paradise	70	167	Apr-June		42
Logan nr Logan (1)	155	157	Apr-July	203	99
Smith's Fork nr Border, Wyoming	142	131	Apr-Sept		108
Thomas Fork nr Ut-Wyo State Line	44	140	Apr-Sept		31
Woodruff Crk nr Woodruff, Utah	25	185	Apr-July		13.5

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Bear River</u>	Bear Lake	1421.0	1105.0	1098.7	854.0
	Woodruff Narrows	26.5	26.5	25.5	- -
<u>Little Bear</u>	Hyrum	15.3	10.7	10.7	10.2
	Porcupine	11.3	3.3b	4.8	- -
(1) - Observed flow corrected for change in storage and diversions					
b - Average of all past record - less than 15 years					

SNOW

x	- Adjacent drainage		
b	- Average of all past record - less than 15 years		
*	- Partly estimated		
A	- Aerial markers		

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>BEAR RIVER</u>							
Chalk Creek #1 x (3)	9100	1/31	6.31	- -	20.57	- -	
Chalk Creek #2 x (3)	7900	1/31	4.15	3.02b	14.70	8.80*	167
Chalk Creek #3 x	7500	1/26	3.50	1.82b	13.07	8.37b	156
Dry Bread Pond	8230	1/28	5.99	4.47*	18.88	11.75*	161
Garden City Summit	7600	1/26	8.05	3.22b	19.44	11.52*	169
Klondike Narrows (3)	7400	1/31	10.31	5.24*	21.14	14.15*	149
Monte Cristo #2 (3)	8960	1/31	9.06	4.94b	24.55	14.74b	167
Sagebrush Flat x	6300	1/28	4.27	2.48b	15.46	8.28b	187
Salt River Summit	7900	1/27	7.50	3.51b	16.75	9.47*	177
Tony Grove R. S. (3)	6250	1/31	6.85	2.40b	23.72	13.70b	173
Trial Lake x	9800	1/28	6.71	4.47b	24.84	12.89*	193
Willow Flat	6100	1/31	4.75	4.72	19.84	12.80	155
Gold Hill (3)	10000	1/31	7.09	- -	20.31	- -	- -
Cinnamon Crk. (3)	7300	1/31	4.12	- -	17.32	- -	- -
Franklin Basin (3)	8000	1/31	4.04	- -	20.96	- -	- -
Curtis Creek (3)	8450	1/31	9.86	- -	24.00	from 10/25/71	
(3) - Data obtained by radio - USU-SCS Cooperative Sites x - Adjacent Drainage b - Average of all past record - less than 15 years * - Partly estimated							

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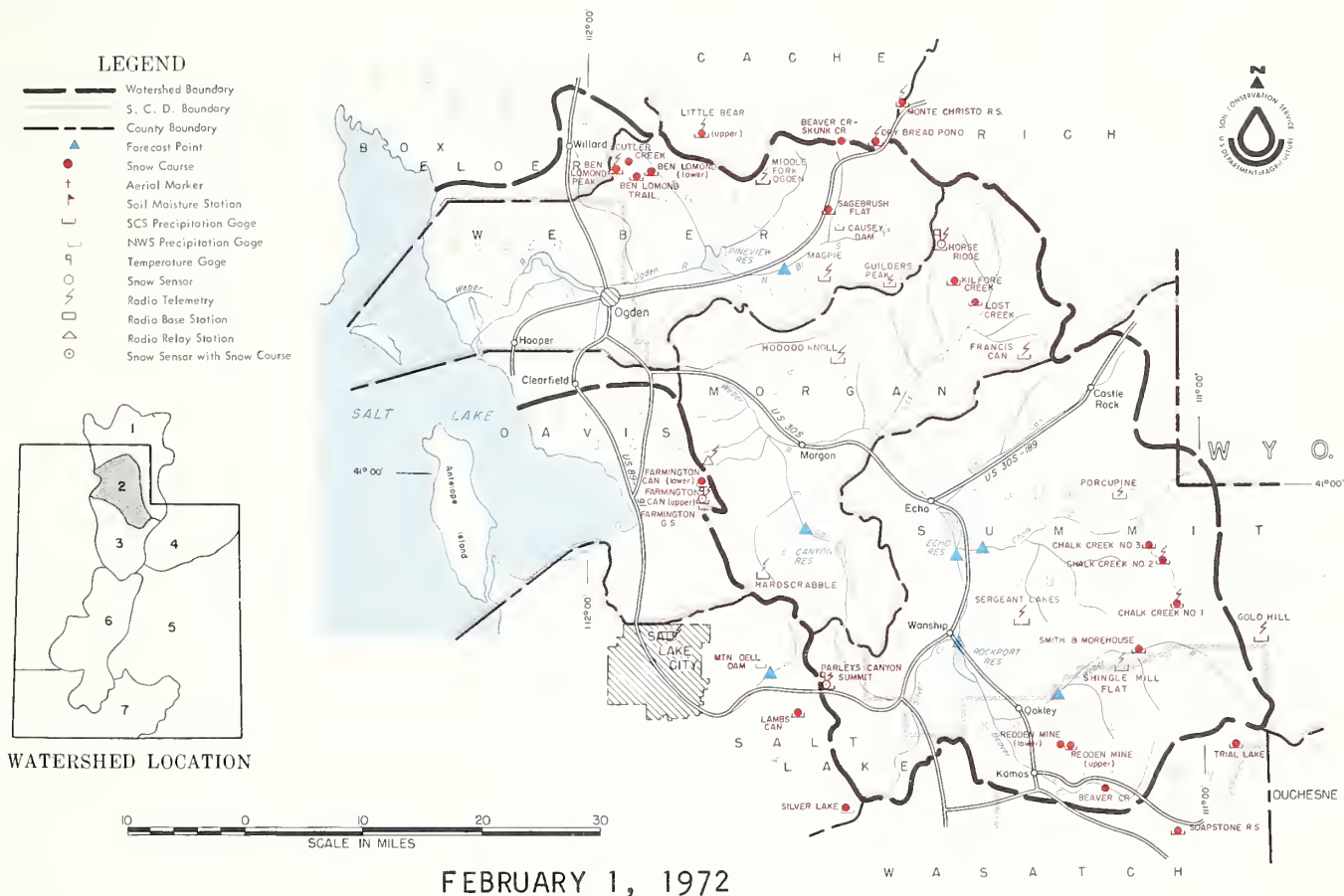
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WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



The 1972 Water Supply Outlook for the Weber-Ogden basins is excellent.

Snow Cover is 180% of the February 1 average on the Ogden and 167% of average on the Weber River. Several snow course measurements are the highest of record for February 1 and many water content measurements are already higher than the April 1 average.

Reservoir Storage is well above average. Pineview held 68,200 on February 1, its average is 26,100 acre feet. Lost Creek held 15,100 acre feet - Rockport had 31,200 acre feet, its average is 25,200 acre feet and Echo had 57,900 acre feet, its average is 31,700 acre feet.

Streamflow Forecasts for the April-June period range from 131% of average (122,000 a.f.) for the Weber at Oakley to 224% (26,000 a.f.) for Lost Crk. Inflow to Pineview 170,000 acre feet (189%), So. Fork Ogden 82,000 a.f. (178%). Rockport Inflow 145,000 (132%), Weber near Coalville 150,000 (150%) and Chalk Creek 45,000 a.f. (173%). East Canyon is expected to produce 30,000 a.f. (174%) during the April-June period.

Streams in this area are expected to peak higher than average with only average precipitation this spring.

WEBER-OGDEN WATERSHEDS - FEBRUARY 1, 1972

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
BASIN STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>WEBER-OGDEN RIVERS</u>					
Chalk Crk at Coalville	45	173	Apr-June	- -	26
East Canyon Crk nr Morgan(1)	30	174	Apr-June	27	17.2
Hardscrabble Crk nr Porterville	24	178	Apr-June	- -	13.5
Lost Crk nr Croydon, Utah	26	224	Apr-June	24	11.6
Pineview Reservoir Inflow (2)	170	189	Apr-June	160	90
South Fork Ogden nr Huntsville	82	178	Apr-June	- -	46
Rockport Reservoir Inflow(1)	145	132	Apr-June	- -	110
Weber nr Coalville(1)	150	150	Apr-June	- -	100
Weber nr Oakley	122	131	Apr-June	124	93

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Ogden</u>	Causey	7.1	1.5	5.7	- -
	Pineview	110.1	68.2	16.9	26.1
<u>Weber</u>	East Canyon	48.1	38.3	39.5	= -
	Echo	73.9	57.9	62.2	31.7
	Lost Creek	20.0	15.1	13.4	- -
	Rockport	60.9	31.2	23.5	25.2b
	Willard Bay	193.3	173.0	175.4	- -
(1) - Observed flow corrected for change in storage and diversions. (2) - Inflow record as computed by U. S. Bureau of Reclamation b - Average of all past record - less than 15 years.					

SNOW

- x - Adjacent drainage
- b - Average of all past record - less than 15 years
- ** - Snow pillow reading cooperatively by Park City Resort

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>OGDEN RIVER</u>							
Ben Lomond (lower)	6000	1/27	7.45	4.39b	28.63	15.46*	185
Ben Lomond Trail	6000	1/27	7.31	4.41b	28.43	17.07*	167
Causey Dam	5500	1/28	4.50	1.92b	16.92	- -	- -
Dry Bread Pond a	8230	1/28	5.99	4.47*	18.88	11.75*	161
Monte Cristo #2 x	8960	1/31	9.06	4.94b	24.55	14.74b	167
Sagebrush Flat	6300	1/28	4.27	2.48b	15.46	8.28b	187
<u>WEBER RIVER</u>							
Chalk Creek #1 a	9100	1/31	6.31	- -	20.57	- -	- -
Chalk Creek #2 a	7900	1/31	4.15	3.02b	14.70	8.80*	167
Chalk Creek #3	7500	1/26	3.50	1.82b	13.07	8.37b	156
Farmington Guard Sta.	7500	1/27	7.14	4.69	32.76	17.04	192
Farmington Rice	7000	1/27	5.34	4.38	29.46	15.35	192
Horse Ridge	8260	Delayed Data		- -		- -	
Lost Creek	6125	Not measured		- -		- -	
Parley's Canyon Smt.	7500	1/28	5.60	3.94*	18.10	11.64*	155
Sargent Lake a	8400	1/31	3.67	- -	17.24	- -	- -
Silver Lake (Brighton) x	8725	2/1	5.91	5.09	24.83	16.56	150
Smith & Morehouse	7600	1/27	4.50	3.19b	16.92	9.79	173
Trial Lake x	9800	1/28	6.71	4.47b	24.84	12.89*	193
x - Adjacent drainage							
b - Average of all past record - less than 15 years							
* - Partly estimated							
a - Data obtained by radio-USU-SCS cooperative sites							

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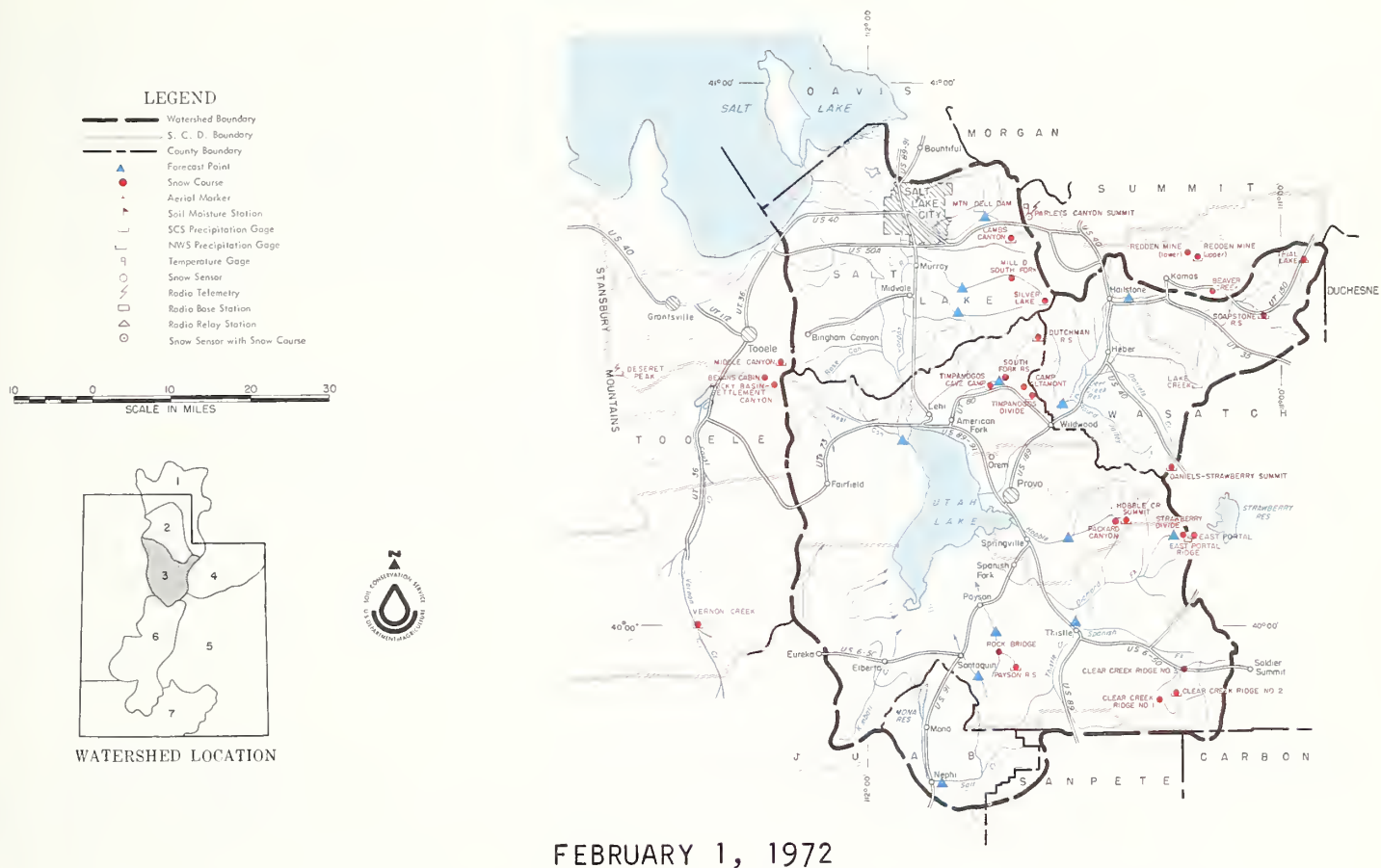
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WATER SUPPLY OUTLOOK

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

**UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS**



The 1972 Water Supply Outlook for Utah Lake-Jordan River and Tooele Valley is very good.

Snow Cover ranges from 138% of the February 1 average on American Fork to 204% on Farmington Creek. Spanish Fork has 141% of average - Strawberry Reservoir 164% and the Provo 154% of average snow cover. Salt Lake front watersheds average 165% of the February 1 average. Farmington Canyon Upper snow course had the highest February 1 water content of record with 33.4 inches of water in 99 inches of snow depth.

Reservoir Storage is well above average. Strawberry held 195,900 acre feet (167%) and Utah Lake 806,800 acre feet (155%) on February 1. Utah Lake was -0.82 feet below Compromise level on February 1.

Streamflow Forecasts for the April-July period range from 127% (42,000 a.f.) on Little Cottonwood Creek to 200% (26,000 a.f.) for Hobbie Creek. The Provo at Hailstone 144,000 (166%) - Spanish Fork 46,000 (170%) and Strawberry Reservoir Inflow 70,000 (171%). American Fork 39,000 (150%). Big Cottonwood Creek 46,000 acre feet (135%) - Parley's Creek 20,000 (213%). Peak flows in this area are expected to be above average. Big Cottonwood Creek near Salt Lake is expected to peak between 450 - 600 c.f.s.

FEBRUARY 1, 1972

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
BASIN STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>PROVO RIVER & UTAH LAKE</u>					
American Fork nr American Fork	39	150	Apr-July	- -	26
Hobble Crk nr Springville	26	200	Apr-July	- -	13.0
Provo nr Hailstone (1)	144	166	Apr-July	- -	87
Provo below Deer Crk Dam (1)	160	167	Apr-July	- -	96
Spanish Fork at Thistle	46	170	Apr-July	- -	27
Strawberry Reservoir Inflow (1)	70	171	Apr-July	- -	41
Utah Lake Inflow	350	179	Apr-July	241	195
<u>JORDAN RIVER & SALT LAKE</u>					
Big Cottonwood nr SLC	46	135	Apr-July	42	34
Farmington Crk nr Farmington	12.4	182	Apr-July	- -	6.8
Little Cottonwood Crk nr SLC	42	127	Apr-July	41	33
Parley's Crk nr SLC	20	213	Apr-July	19.4	9.4

WSFB-X2-L

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Spanish Fork</u>	Strawberry	270.0	195.9	187.8	117.6
<u>Utah Lake</u>	Utah Lake	883.9	806.8	815.4	518.9
(1) - Observed flow corrected for change in storage and diversions.					

SNOW

x - Adjacent drainage
b - Average of all past record - less than 15 years

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>UTAH LAKE</u>							
Clear Creek Ridge #2	8000	1/26	2.10	2.62b	12.83	8.97*	143
Daniels-Strawberry Smt.	8000	1/27	2.95	2.90b	15.97	10.95b	146
East Portal	7800	1/31	4.18	3.37	15.05	10.41*	145
Payson R. S.	8050	1/25	2.15	3.84b	13.53	10.01b	135
Soapstone R. S.	7800	1/28	4.33	2.71b	15.02	9.42*	159
Timpanogos Divide	8200	1/28	2.30	3.94	22.55	15.95	141
Trial Lake	9800	1/28	6.71	4.47b	24.84	12.89*	193
<u>JORDAN RIVER & TOOELE VALLEY</u>							
Lambs Canyon #2	7400	1/28	4.45	- -	18.55	- -	- -
Middle Canyon	7000	1/24	4.59	3.32b	9.87	9.55*	103
Mt. Dell Dam	5500	2/1	1.80	2.02	10.70	7.50	143
Parley's Canyon Smt.	7500	1/28	5.60	3.94*	18.10	11.64*	155
Silver Lake (Brighton)	8725	2/1	5.91	5.09	24.83	16.56	150
b - Average of all past record - less than 15 years							
* - Partly estimated							

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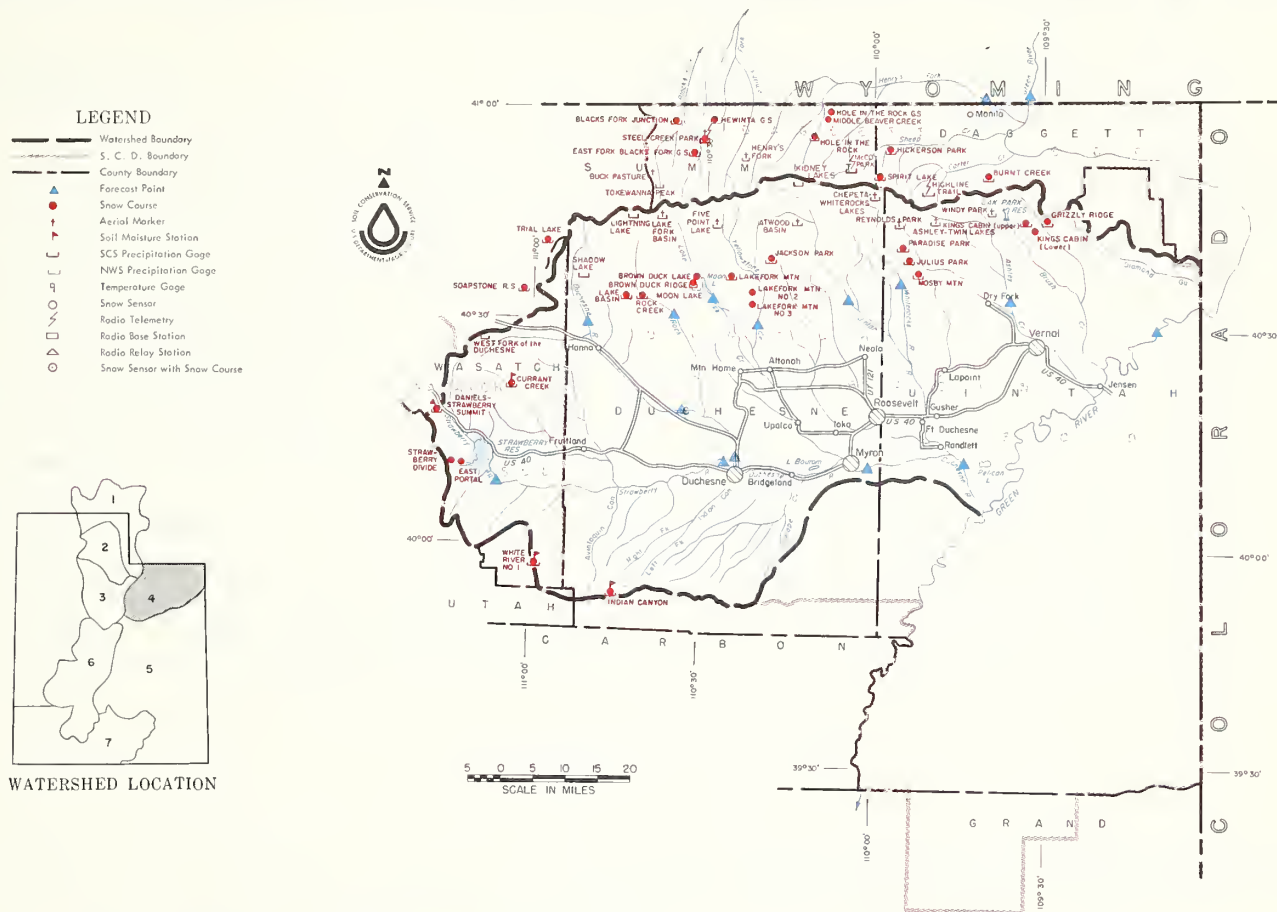
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WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



FEBRUARY 1, 1972

Uintah Basin and Daggett County area is expected to have a very good water supply this year.

Snow Cover ranges from 158% of the February 1 average to 198% on the Uintah - Whiterocks and Ashley Brush Creek drainages. Lakefork - Yellowstone snow cover is 164% and Strawberry river 170%.

Reservoir Storage is above average. Steinaker has 22,700 acre feet of useable stored water. Moon Lake has 16,000 acre feet - last year it held only 10,800 at this time. Flaming Gorge has 2,632,000 acre feet. Last year it had 1,777,000 acre feet. Starvation now holds 135,000 acre feet.

Streamflow Forecasts for the April-July period range from 117% (77,000 a.f.) on Lakefork Creek to 160% (80,000 a.f.) for Strawberry River at Duchesne. Duchesne River at Duchesne is expected to flow 228,000 a.f. (137%) - Rock Creek, 115,000 (131%) - Yellowstone Creek, 72,000 (122%) - Uintah River, 100,000 (127%) - Whiterocks 65,000 (127%) and Ashley Creek 55,000 a.f. (125%). Henry's Fork is expected to flow 55,000 acre feet (145%) April-September and the Inflow to Flaming Gorge 1,760,000 acre feet (167%) during the April-July period.

FEBRUARY 1, 1972

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
BASIN STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>DUCHESNE RIVER</u>					
Duchesne nr Tabiona (1)	129	137	Apr-July	62	94
Duchesne at Duchesne (1)	228	137	Apr-July		167
Duchesne at Myton (1)	325	134	Apr-July		243
Duchesne at Randlett (1)	343	131	Apr-July		262
Strawberry at Duchesne	80	160	Apr-July		49
Rock Crk nr Mtn. Home	115	131	Apr-July	59	88
Lakefork below Moon Lake (1)	77	117	Apr-July		66
Yellowstone nr Altonah	72	122	Apr-July		59
Uinta nr Neola	100	127	Apr-July		79
Whiterocks nr Whiterock	65	127	Apr-July		51
<u>FLAMING GORGE TO DUCHESNE RIVER</u>					
Ashley Creek nr Vernal	55	125	Apr-July	50	44
Henry's Fork at Linwood	55	145	Apr-Sept	1905	38
Flaming Gorge Inflow (1)	1760	167	Apr-July		1054

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Ashley Creek</u>	Steinaker	33.3	22.7	21.9	15.6b
<u>Green River</u>	Flaming Gorge	3749.0	2632.0	1777.0	1299.0b
<u>Lake Fork</u>	Moon Lake	35.8	16.0	10.8	14.2
<u>Strawberry</u>	Starvation	165.3	135.1	114.4	- -
<u>Uintah</u>	Bottle Hollow	11.3	8.7	- -	- -
(1) - Observed flow corrected for change in storage and diversions					
b - Average for all past record - less than 15 years					

SNOW

x - Adjacent drainage
b - Average for all past record - less than 15 years

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>DAGGETT SCD</u>							
Burnt Creek	7900	1/28	2.17	- -	10.61	- -	- -
<u>UINTAH BASIN SCD</u>							
Daniels-Strawberry Smt x	8000	1/27	2.95	2.90b	15.97	10.95b	146
East Portal Ridge x	7800	1/31	4.18	3.37	15.05	10.41*	145
Grizzly Ridge	8500	1/28	4.30	- -	14.20	- -	- -
Indian Canyon	9100	1/31	1.45	1.53b	14.68	9.21b	159
Julius Park	9800	1/27	4.82	1.76*	15.84	7.62*	208
Lakefork Mountain	10500	1/28	2.90	2.24b	14.18	6.94b	204
Moon Lake	8150	1/31	0.80	1.16	9.00	7.49	120
Mosby Mountain	9500	1/27	4.90	- -	14.00	- -	- -
Paradise Park	10100	1/27	5.13	1.92*	16.98	8.38*	203
Soapstone R. S.	7800	1/28	4.33	2.71b	15.02	9.42*	159
Trial Lake x	9800	1/28	6.71	4.47b	24.84	12.89*	193
x - Adjacent drainage							
b - Average of all past record - less than 15 years							
* - Partly estimated							

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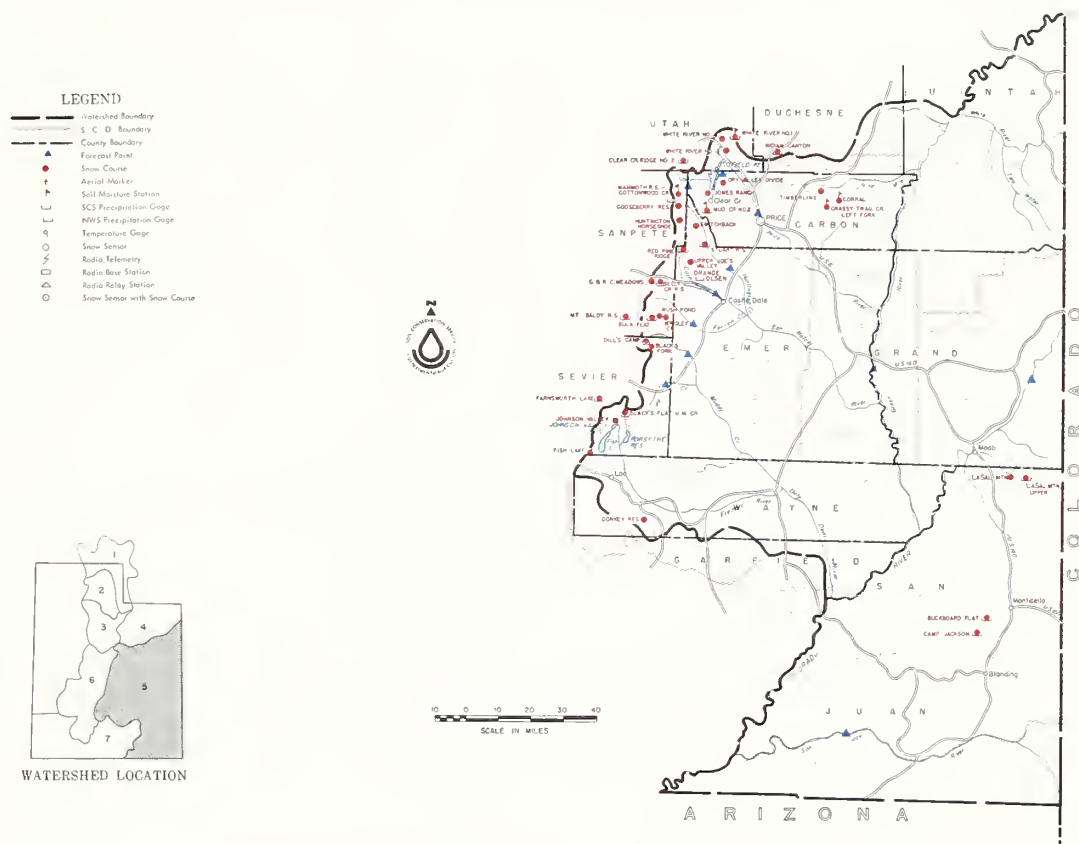
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"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



FEBRUARY 1, 1972

The 1972 Water Supply Outlook for southeastern Utah is above average.

Snow Cover varies from 157% of average on the Price river to 143% on the San Rafael with 155% of average on the Fremont River. Indian Canyon snow course had the highest February 1 water content in 35 years of record. The measurement was 14.2 inches of water or 195% of average.

Reservoir Storage is well above average. Scofield has 40,500 acre feet in storage. Last year it held 41,200 acre feet on February 1, but the 15-year average is only 20,400 acre feet. Joe's Valley had 38,500 acre feet - about the same as last year on February 1 and Navajo on the San Juan River had 928,900 acre feet. Last year it held 937,600 acre feet on February 1.

Streamflow Forecasts for the April-July period range from 117% (725,000 a.f.) of the 15-year average for Navajo Reservoir Inflow to 141% (45,000 a.f.) for Scofield Reservoir Inflow. Other forecasts are as follows:

Gooseberry Creek near Scofield 13,100 a.f. (131%) - Price River near Heiner 45,000 a.f. (141%) - Cottonwood Creek 55,000 a.f. (125%) - Huntington Creek 55,000 a.f. (131%) - Ferron Creek 42,000 a.f. (127%) - Muddy Creek 22,000 a.f. (136%) - Seven Mile Creek 7,600 a.f. (123%) - Colorado near Cisco (120%) - Green River near Green River (138%) - San Juan near Bluff (134%).

FEBRUARY 1, 1972

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
BASIN STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>PRICE RIVER</u>					
Gooseberry Crk nr Scofield	13.1	131	Apr-July		10.0
Price nr Heiner (1)	75	139	Apr-July		54
Scofield Reservoir Inflow (1)	45	141	Apr-July		32
<u>SAN RAFAEL RIVER</u>					
Cottonwood Crk nr Orangeville	55	125	Apr-July		44
Ferron Crk nr Ferron	42	127	Apr-July		33
Huntington Crk nr Huntington	55	131	Apr-July		42
<u>MUDDY RIVER</u>					
Muddy Creek nr Emery	22	136	Apr-July		16.2b
<u>UPPER COLORADO BASIN</u>					
Colorado nr Cisco, Utah	3365	120	Apr-July		2802
Green at Green River, Utah	3552	138	Apr-July		2574
Navajo Reservoir Inflow	725	117	Apr-July		619
San Juan nr Bluff, Utah	1189	134	Apr- July		890
<u>FREMONT RIVER</u>					
Seven Mile Crk. nr Fish Lake	7.6	123	Apr-July		6.2b

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Price River</u>	Scofield	65.8	40.5	41.2	20.4
<u>San Rafael</u>	Joe's Valley	54.6	38.5	38.6	- -
<u>San Juan</u>	Navajo	1696.4	928.9	937.6	284.0b
(1) - Observed flow corrected for change in storage and diversions					
b - Average for all past record - less than 15 years					

SNOW

x - Adjacent drainage
b - Average for all past record - less than 15 years

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>PRICE RIVER</u>							
Clear Creek Ridge #2 x	8000	1/26	2.10	2.62b	12.83	8.97*	143
Gooseberry Reservoir	8700	1/26	1.20	3.39b	13.65	10.44*	131
Indian Canyon	9100	1/31	1.45	1.53b	14.68	9.21b	159
Mammoth R. S. #2	8600	1/26	1.75	3.05b	12.80	11.35*	113
Mud Creek	8300	1/31	2.70	2.42*	9.10	8.89*	102
<u>SAN RAFAEL RIVER</u>							
Buck Flat	9400	1/27	2.65	3.41b	13.90	9.05*	154
G.B.R.C. Meadows x	10000	1/28	2.15	4.37	17.05	12.04	142
Gooseberry Reservoir x	8700	1/26	1.20	3.39b	13.65	10.44*	131
Orange Olsen	7300	1/28	1.50	- -	8.25	- -	- -
Red Pine Ridge	9400	1/28	3.70	4.65b	16.45	10.50*	157
<u>FREMONT RIVER</u>							
Farnsworth Lake x	9900	1/27	1.90	3.75b	14.70	9.77b	150
x - Adjacent drainage							
b - Average for all past record - less than 15 years							
* - Partly estimated							

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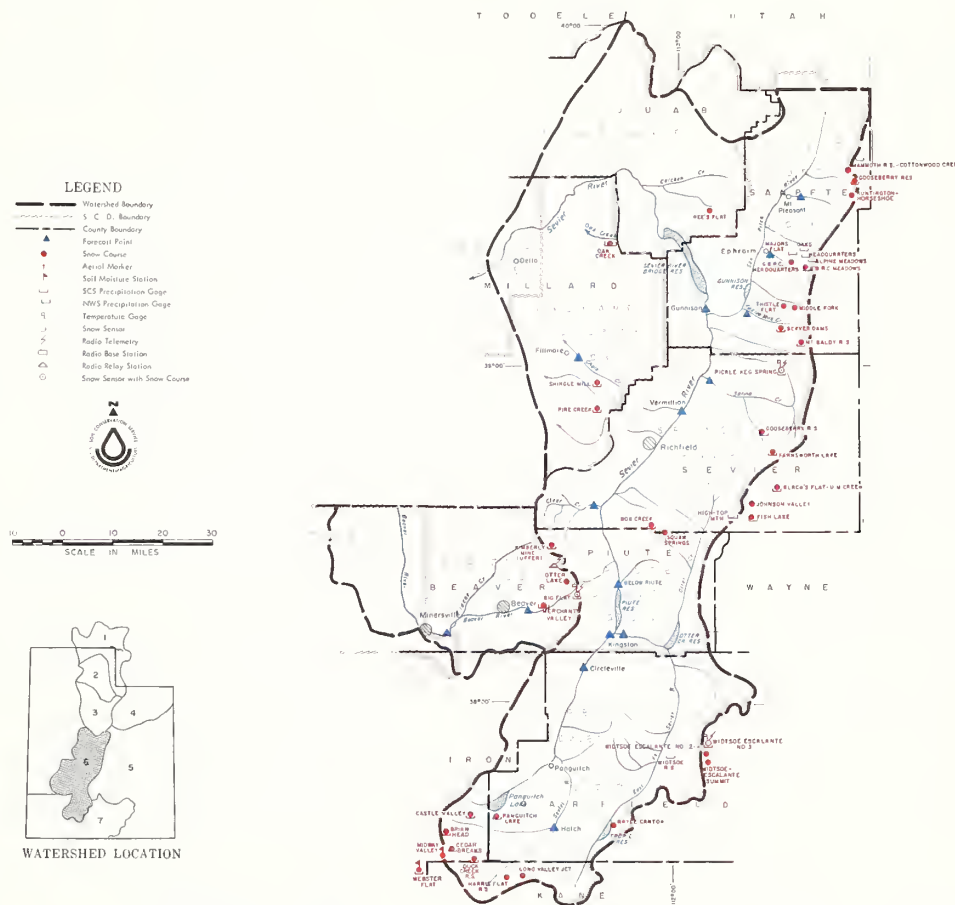
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WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



FEBRUARY 1, 1972

The 1972 Water Supply Outlook for the Sevier and Beaver is above average.

Snow Cover ranges from 126% of the February 1 average on Clear Creek to 173% on the East Fork of the Sevier. The Sevier above Hatch has 151% of the 15-year average snow water for February 1 and Salina Creek 147% of average. Beaver River snow cover is 128% of average - a little less than last year on Feb. 1.

Reservoir Storage is well above average. Sevier River reservoirs range from 153% (29,000 a.f.) of the February 1 average for Otter Creek to 237% (156,700 a.f.) for Sevier Bridge Reservoir. Piute Reservoir storage was 53,000 a.f. (179%) and Gunnison Reservoir held 14,800 acre feet on February 1. Minersville reservoir on the Beaver river was estimated at 14,300 a.f. (161%). Last year it held 15,000 acre feet on February 1.

Streamflow Forecasts range from near average for the inflow to Minersville reservoir to 169% (10,000 a.f.) for the April-June flow of Salina Creek. The Sevier is forecast to produce 45,000 acre feet (136%) at Hatch, 40,000 a.f. (148%) at Circleville, 22,000 a.f. (143%) near Kingston, 36,000 a.f. (124%) below Piute Dam and 47,000 a.f. at Gunnison during the April-July period. Clear Creek forecast is 15,900 a.f. (127%) and the East Fork Sevier 15,000 a.f. (128%). The Inflow Kingston to Vermillion is 39,000 a.f. (130%) and Vermillion to Gunnison (March-June) is 68,000 a.f. (151%).

The October-March inflow to Sevier Bridge forecast is 95,000 - 110,000 a.f. and 2500 - 3000 acre feet of flow above 360 second feet should be produced below Vermillion this year. Primary water right percentages delivered are expected to be higher than average again this year. Beaver River forecast is 23,000 a.f. (122%) April-July and the Inflow to Minersville is expected to be 4,500 a.f. or 96% of the April-June average.

FEBRUARY 1, 1972

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
BASIN STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>SEVIER RIVER</u>					
Chalk Creek nr Fillmore	20	152	Apr-July	12.2	13.2
Clear Crk nr Sevier(above Div.)	15.9	127	Apr-July		12.5b
East Fork Sevier nr Kingston (1)	15.0	128	Apr-July		11.7
Antimony Crk nr Antimony	8.0	102	Apr-July		7.8b
Inflow					
Kingston to Vermillion Dam	39	130	Apr-June		30 b
Vermillion Dam to Gunnison	68	151	Mar-June		45 b
Salina Crk at Salina (1)	10.0	169	Apr-June		5.9*
Sevier nr Circleville	40	148	Apr-July		27
Sevier nr Gunnison	47	152	Apr-July		31 b
Sevier at Hatch	45	136	Apr-July	33	
Sevier nr Kingston	22	143	Apr-July	15.4	
Sevier below Piute Dam (1)	36	124	Apr-July	29	
<u>SAN PITCH RIVER</u>					
Ephraim Creek nr Ephraim	20	144	Apr-July	19.4	13.9b
Pleasant Crk nr Mt. Pleasant	10.2	131	Apr-July		7.8b
<u>BEAVER RIVER</u>					
Beaver nr Beaver	23	122	Apr-July	19.4	18.9
Minersville Reservoir Inflow (1)	4.5	96	Apr-June		4.7

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Clear Creek nr Sevier (above Div.)	5	July 8	July 19
Salina Creek at Salina	25	June 12	June 10
Sevier at Circleville (Circle Valley)	90	June 24	June 24
Sevier at Hatch (upper)	100	July 10	July 10

PRIMARY WATER RIGHT FORECASTS (PERCENT OF WATER RIGHT DELIVERED)

RIVER SECTION	Percent Forecast For This Year	Average Percent Delivered During 15 year Period†	Forecast Period
<u>Sevier River</u>			
Below Vermillion Dam	72	58	Apr-Sept
Circle Valley	82	66	Apr-Sept
Panguitch Valley	100	84	Apr-Sept
Sevier Valley	45	40	Apr-Sept

OTHER SPECIAL FORECASTS

Below Vermillion - Flow above 360 second feet should total about 2500 - 3000 acre feet this season

Inflow to Sevier Bridge Reservoir from October 1 to March 31 is expected to be 95,000 - 110,000 acre feet.

SEVIER RIVER BASIN INCLUDING BEAVER RIVER

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UPPER SEVIER RIVER</u> <u>(South of Richfield, Utah)</u>						
Big Flat x	10290	1/25	40	12.1	12.6	9.6b
Bryce Canyon	8000	1/28	14	3.4	3.2	2.6
Duck Creek R. S.	8700	1/25	38	12.4	9.6	7.6b
Farview	8200	1/28	27	7.1	6.3	- -
Harris Flat R. S.	7700	1/25	13	4.3	7.9	4.7b
Kimberly Mine	9300	1/31	37	11.0	9.8	8.7b
Long Valley Jct. x	7500	1/25	1	0.4	4.3	2.2b
Midway Valley	9800	1/27	61	20.4	14.2	12.2b
Rainbow Point	9100	Delayed data			- -	- -
Widtsoe-Escalante Smt.	9500	1/26	23	6.7	3.7	4.0
Widtsoe-Escalante #2	9500	1/26	32	9.0	4.8	5.2
Widtsoe-Escalante #3	9500	1/26	39	11.4	6.1	6.0b
<u>LOWER SEVIER RIVER</u> <u>(Including San Pitch River)</u>						
Farnsworth Lake	9900	1/27	44	14.6	15.5	9.4b
G.B.R.C. Headquarters	8700	1/28	38	10.2	11.6	8.3b
G.B.R.C. Meadows	10000	1/28	55	18.4	20.0	13.2b
Gooseberry R. S.	8400	1/27	28	8.4	7.9	6.2b
Gooseberry Reservoir x	8700	1/26	40	13.9	13.9	10.2
Mammoth R. S. - Ctnwood Crk.	8800	1/26	44	15.7	15.8	11.0b
Pickle Keg Springs	9600	Not measured			11.2	- -
Shingle Mill	6200	1/31	23	7.1	5.9	3.9b
<u>BEAVER RIVER</u>						
Big Flat	10290	1/25	40	12.1	12.6	9.6b
Merchant Valley	8200	1/25	20	5.6	6.4	4.9
Otter Lake	9300	1/25	35	10.4	11.1	7.5b

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Sevier River</u>	Gunnison	18.2	14.8	17.3	- -
	Otter Creek	52.5	29.0	41.9	19.0
	Piute	71.8	53.0	41.6	29.6
	Sevier Bridge	236.0	156.7	197.6	66.2
<u>Beaver River</u>	Minersville(Rky Fd)	23.3	14.3b	15.0	8.9

(1) - Observed flow corrected for change in storage and diversions.

b - Average of all past record - less than 15 years

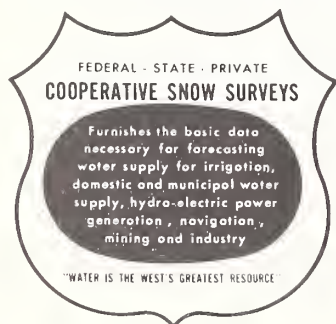
* - Partly estimated

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>SEVIER RIVER</u>							
Big Flat x	10290	1/25	0.70	3.63b	10.43	8.23*	127
Duck Creek R. S.	8560	1/25	1.05	3.27b	15.91	10.18*	156
Farnsworth Lake	9900	1/27	1.90	3.75b	14.70	9.77b	150
G.B.R.C. Headquarters	8700	1/28	1.64	3.66	13.41	10.11	133
G.B.R.C. Meadows	10000	1/28	2.15	4.37	17.05	12.04	142
G.B.R.C. Oaks	7655	1/28	1.08	2.61	9.13	6.91	132
Gooseberry R. S.	7800	1/27	1.42	2.87b	10.73	6.69*	160
Gooseberry Reservoir x	8700	1/26	1.20	3.39b	13.65	10.44*	131
Kimberly Mine	9100	1/31	1.87	3.24*	11.55	9.84*	117
Mammoth R. S. #2 x	8600	1/26	1.75	3.05b	12.80	11.35*	113
Shingle Mill	6200	1/31	1.02	2.98*	12.22	7.60*	161
Webster Flat x	9200	1/27	0.90	3.53*	17.15	11.29*	152
Widtsoe-Escalante #3	9500	1/26	0.05	2.30b	11.34	7.65b	148
Widtsoe R. S.	7600	1/26	0.00	0.68	5.07	3.10	164
<u>BEAVER RIVER</u>							
Beaver Canyon P. H.	7275	1/31	0.09	- -	7.22	- -	- -
Merchant Valley	8650	1/25	0.53	- -	8.90	- -	- -

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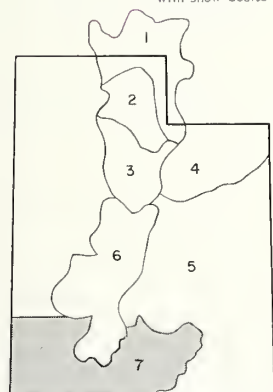
WATER SUPPLY OUTLOOK

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

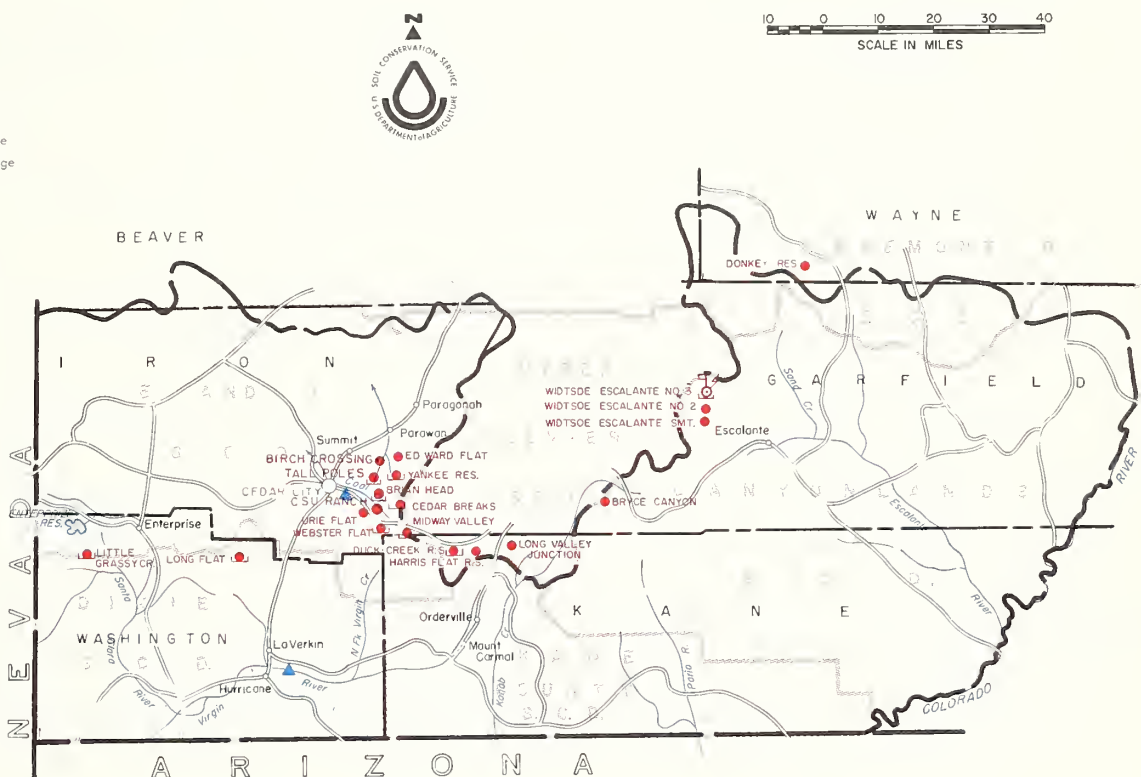
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LEGEND

- Watershed Boundary
- S. C. D. Boundary
- County Boundary
- Forecast Point
- Snow Course
- Aerial Marker
- Soil Moisture Station
- SCS Precipitation Gage
- NWS Precipitation Gage
- Temperature Gage
- Snow Sensor
- Radio Telemetry
- Radio Base Station
- Radio Relay Station
- Snow Sensor with Snow Course



WATERSHED LOCATION



FEBRUARY 1, 1972

The 1972 Water Supply Outlook is above average for Southwestern Utah.

Snow Cover ranges from 151% of the February 1 average on Parowan Creek to 178% on the Upper Escalante River. Virgin River snow cover was 155% of the 15-year average (1953-67) for February 1 and Coal Creek was 166% of average.

Reservoir Storage in Lake Powell is now 12,943,000 acre feet or 250% of average and about 5% above last year on February 1.

Streamflow Forecasts range from 118% of average (45,000 a.f.) on the Virgin River near Virgin for the April-June period to 138% (19,000 a.f.) of the April-July average on Coal Creek. The Inflow to Lake Powell is expected to be 8,628,000 a.f. (132%) during the April-July period. Last year the inflow was 8,378,000 acre feet during this same period. Other streams in this area such as the Santa Clara river and Parowan Creek are expected to produce 20 to 30% above average flows this season. Snow melt peak flows in this area are expected to be above average this year, but not as high as 1969 flows.

FEBRUARY 1, 1972

STREAMFLOW FORECASTS

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>VIRGIN RIVER</u>					
Virgin nr Virgin	45	118	Apr-June		38
<u>COAL CREEK</u>					
Coal Crk nr Cedar City	19.0	138	Apr-July		13.8
<u>UPPER COLORADO</u>					
Lake Powell Inflow	8628	132	Apr-July	8378	6527

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>Colorado</u>	Lake Powell	25002.0	12943.0	12228.0	5161.7b
b - Average for all past record - less than 15 years					

EAST GARFIELD, KANE, WASHINGTON & IRON CO.

SNOW

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>ESCALANTE RIVER</u>						
Widtsoe-Escalante Smt.	9500	1/26	23	6.7	3.7	4.0
Widtsoe-Escalante #2	9500	1/26	32	9.0	4.8	5.2
Widtsoe-Escalante #3	9500	1/26	39	11.4	6.1	6.0b
<u>PARIA RIVER</u>						
Bryce Canyon x	8000	1/28	14	3.4	3.2	2.6
<u>VIRGIN RIVER & COAL CREEK</u>						
CSU Ranch	8200	1/27	22	6.8	6.2	- -
Duck Creek R. S. x	8700	1/25	38	12.4	9.6	7.6b
Harris Flat x	7700	1/25	13	4.3	7.9	4.7b
Long Valley Junction	7500	1/25	1	0.4	4.3	2.2b
Midway Valley x	9800	1/27	61	20.4	14.2	12.2b
Urie Flat	8450	1/27	23	7.4	5.4	4.1b
Webster Flat	9200	1/27	45	14.8	11.3	8.9
<u>PAROWAN CREEK</u>						
Birch Crossing	8100	1/28	20	5.5	3.3	- -
Brian Head	10000	1/28	57	18.5	12.3	- -
Tall Poles	8800	1/28	42	12.8	8.4	- -

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>ESCALANTE RIVER</u>							
Widtsoe-Escalante #3	9500	1/26	0.05	2.30b	11.34	7.65b	148
<u>VIRGIN RIVER</u>							
Duck Creek R. S.	8560	1/25	1.05	3.27b	15.91	10.18*	156
Webster Flat	9200	1/27	0.90	3.53*	17.15	11.29*	152
<u>COAL CREEK</u>							
Webster Flat x	9200	1/27	0.90	3.53*	17.15	11.29*	152
<u>PAROWAN CREEK</u>							
Tall Poles	8800	1/28	0.60	- -	13.59	- -	- -

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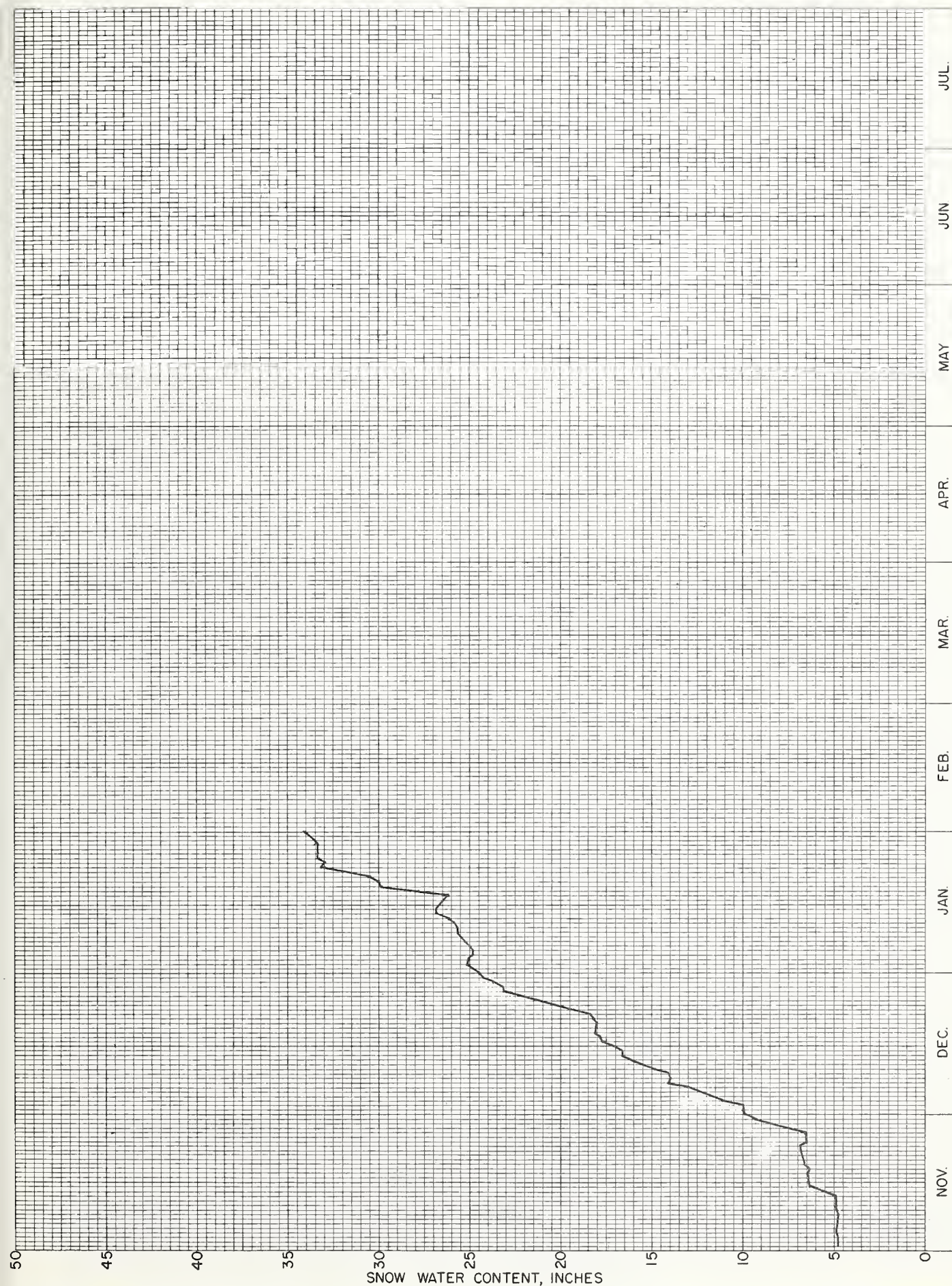
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FARMINGTON CANYON (upper)

SNOW PILLOW DATA
WATER YEAR 1972

No. 11J11 Elev. 8000 Drainage: Farmington Creek



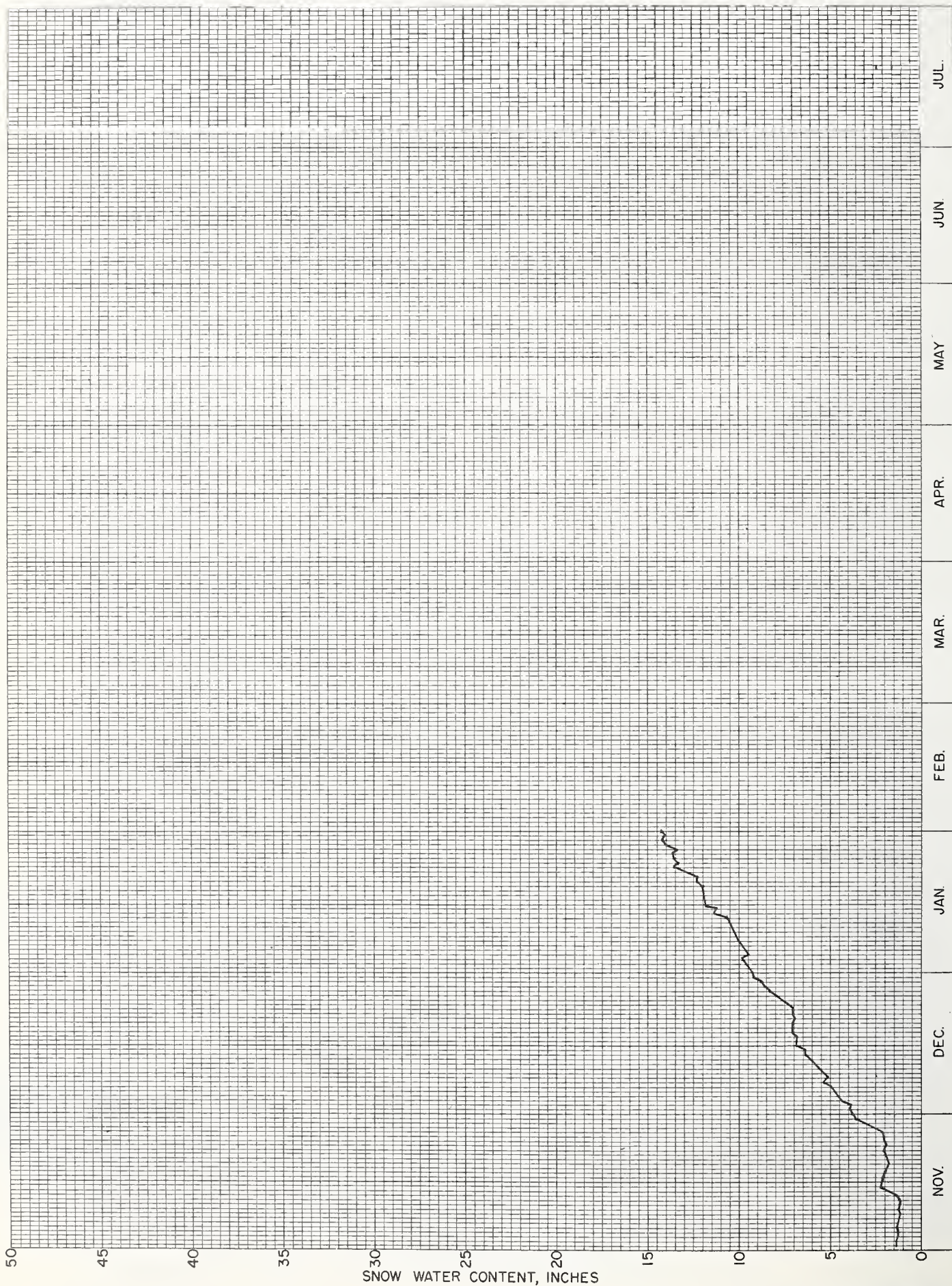
PARLEY'S CANYON SUMMIT

SNOW PILLOW DATA
WATER YEAR 1972

No. 11J15

Elev. 7500

Drainage: East Canyon Crk. - Weber River



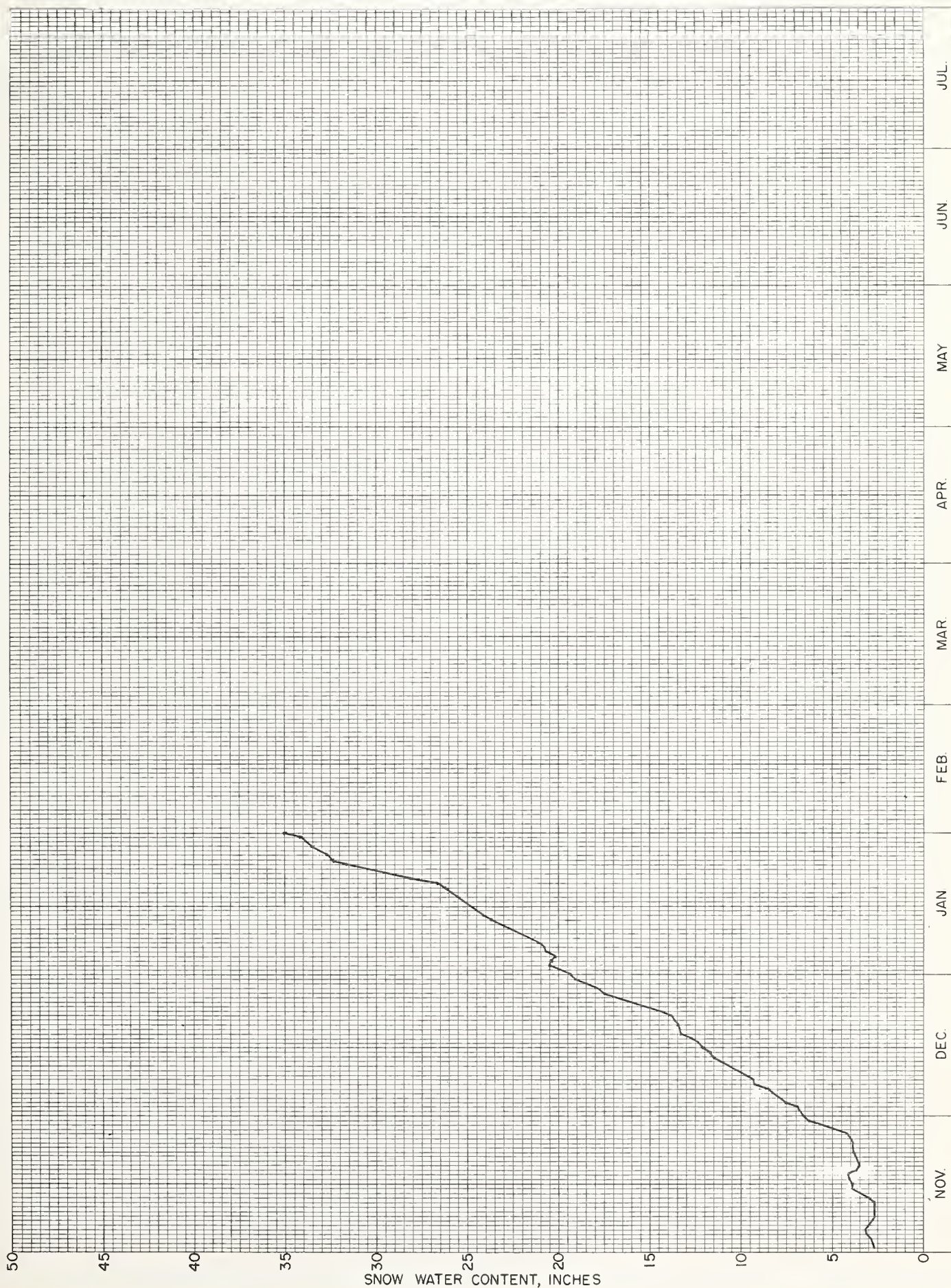
HORSE RIDGE

SNOW PILLOW DATA
WATER YEAR 1972

No. 11H21

Elev. 8260

Drainage: Lost Creek



Agencies Cooperating in Utah Snow Surveys

U. S. GOVERNMENT AGENCIES

U. S. Department of Agriculture
Soil Conservation Service
Forest Service
U. S. Department of Commerce
NOAA, National Weather Service
U. S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service

STATE AGENCIES

Utah State University
Utah Fish and Game Department
Utah State Department of Natural
Resources, Division of Water Rights
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner

MUNICIPALITIES

Manti
Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association

PRIVATE AGENCIES

Kaiser Steel Corporation

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
FEDERAL BLDG., — ROOM 5434
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